

HAPS-100

Highest Performance Prototyping System

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HAPS®-100 is the industry's highest performance and most scalable prototyping system. It delivers the next innovation in prototyping, with the fastest performance, highest debug productivity and enterprise scalability to accelerate software development, system validation and verification. The HAPS-100 prototyping system, part of Synopsys Verification Continuum® Platform, allows designers, software developers and verification engineers to work from anywhere, through the HAPS Gateway software, to manage multi-design, multi-user deployment for maximum productivity and cost efficiency.



HAPS-100 Prototyping System

HAPS-100 Benefits

- Fastest performance for software development and system validation with 20-50 MHz for complex SoCs achieving 10x throughput over competitive FPGA prototyping products
- Highest debug productivity through innovative system architecture with 4x signal capture and 4x higher debug performance
- Enterprise and ecosystem scalability through HAPS Gateway software enabling multi-design, multi-user parallelization
- Proven direct connect architecture leveraging largest prototyping ecosystem and broadest portfolio of interface cards

HAPS prototyping software builds upon Synopsys' 20+ years of experience in FPGA synthesis and delivers the highest performance using timing optimization for the direct connect architecture. Synopsys customers also benefit from Synopsys DesignWare® IP Prototyping Kits, which are critical to accelerate IP integration, software development and system validation.

For more information about HAPS prototyping contact your Synopsys representative or visit www.synopsys.com/haps

HAPS-100	Specifications
Use Cases	Software Development, System Validation, RTL Regression, Power Validation
Capacity	4 FPGAs per system, Up to 64 systems
Deployment	Rack or Desktop
Connectivity	Direct Connect Architecture
Interfaces	LVDS, MGB, QSFP
Scalability	HAPS Gateway software for multi-design, multi-user parallelization
Software	HAPS ProtoCompiler and Xilinx Vivado
Max Power Consumption	700W per system
Dimensions	W449mm, H106mm, L680mm
Weight	21.5 kg